

Title (en)  
Wiper control device

Title (de)  
Scheibenwischersteuereinrichtung

Title (fr)  
Dispositif de commande d'essuie-glace

Publication  
**EP 0943510 A3 20020807 (EN)**

Application  
**EP 98114536 A 19980803**

Priority  
JP 7081598 A 19980319

Abstract (en)  
[origin: EP0943510A2] A wiper control device (1) comprises a wiper switch (2) having a variable resistor (RA) to be switched to the respective resistance values corresponding to the respective operation modes of the wiper apparatus (3); an interface circuit (8) provided with a reference resistor (RC) and a capacitor (C5); and a microcomputer (CPU) provided with a reference charging port (P3) for charging the capacitor (C5) through the reference resistor (RC), a detective charging port (P6) for charging the same capacitor (C5) through the variable resistor (RA) switched into various resistance values corresponding to the respective operation modes, a reading port (P4) for reading as to whether the capacitor (C5) is charged up to the predetermined potential level, and the microcomputer (CPU) determines the selected operation mode on basis of relative value calculated from the time required for charging the capacitor (C5) through the reference resistor (RC) by the reference charging port (P3) and the time required for charging the capacitor (C5) through the variable resistor (RC) of the wiper switch (2) by the detective charging port (P6). <IMAGE>

IPC 1-7  
**B60S 1/08**

IPC 8 full level  
**B60S 1/08** (2006.01); **H02P 7/06** (2006.01)

CPC (source: EP US)  
**B60S 1/08** (2013.01 - EP US); **B60S 1/0807** (2013.01 - EP US); **Y10S 318/02** (2013.01 - EP US)

Citation (search report)  
• [A] US 5525879 A 19960611 - WAINWRIGHT RICHARD E [US]  
• [A] EP 0581578 A1 19940202 - SGS THOMSON MICROELECTRONICS [US]  
• [A] US 4689535 A 19870825 - TSUNODA AKIRA [JP], et al

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0943510 A2 19990922; EP 0943510 A3 20020807; EP 0943510 B1 20031105**; DE 69819467 D1 20031211; DE 69819467 T2 20040826; JP H11275892 A 19991008; US 5998883 A 19991207

DOCDB simple family (application)  
**EP 98114536 A 19980803**; DE 69819467 T 19980803; JP 7081598 A 19980319; US 12712798 A 19980730